MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

December 1947

ROBERT W. SLOANE, DIRECTOR

Printed at the American Press
Beirut, Lebanon

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WEATHER BUREAU

DECEMBER 1947

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	64.2	63.2	63.4	63.8	22.0	17.7	18.4	20.5	19.7	19.5
2	3.0	1.1	1.3	1.8	22.2	16.6	19.4	21.2	17.7	19.4
3	57.9	58.8	58.2	58.3	20.9	17.8	18.2	20.3	17.7	18.7
4	60.6	60.2	60.9	60.6	21.9	17.8	19.7	21.1	19.4	20.1
5	0.6	59.6	0.6	0.1	23.9	16.9	17.7	20.5	17.8	18.7
6	61.9	61.9	63.5	62.4	23.9	16.2	18.2	20.5	17.7	18.8
7	5.5	4.3	5.2	5.0	20.4	16.0	17.1	19.1	17.2	17.8
8	4.6	2.6	2.5	3.2	20.4	16.6	18.3	19.7	17.4	18.5
9	2.6	1.3	2.5	2.1	20.4	16.4	16.6	20.1	18.9	18.5
10	3.4	2.6	3.1	3.0	20.5	16.9	17.7	19.9	18.8	18.8
11	62.8	61.3	61.6	61.9	20.7	17.9	18.1	19.9	18.2	18.7
12	1.0	59.8	59.7	0.2	23.3	19.2	20.1	22.1	19.4	20.5
13	0.3	9.0	8.7	59.3	24.8	21.7	22.4	22.7	24.3	23.1
14	59.7	7.0	7.9	8.2	25.4	16.2	22.7	24.9	23.3	23.6
15	5.4	5.4	8.6	6.5	24.9	16.1	22.1	22.8	19.3	21.4
16	60.9	60.1	61.6	60.9	19.6	13.9	17.7	19.1	15.5	17.4
17	2.9	2.1	2.8	2.6	19.4	15.0	17.8	18.7	15.9	17.5
18	2.5	3.3	4.2	3.3	18.9	14.6	16.1	17.7	15.2	16.3
19	5.8	4.8	5.9	5.5	18.9	13.2	15.6	18.8	16.1	16.8
20	7.6	6.2	6.7	6.8	17.4	13.9	13.8	17.2	15.4	15.5
21	4.4	60.8	60.3	61.8	17.9	14.6	14.9	17.8	15.2	16.0
22	0.6	0.1	0.5	0.4	19.6	16.4	16.1	17.7	16.7	16.8
23	59.5	59.8	0.1	59.8	19.3	13.0	18.3	16.1	13.7	16.0
24	9.9	61.4	3.0	61.4	17.8	12.4	14.8	17.3	16.6	16.2
25	66.6	8.3	9.9	8.3	15.0	9.0	13.7	13.8	10.4	12.6
26	71.7	70.0	70.2	70.6	13.9	10.2	11.1	13.6	11.5	12.1
27	68.4	65.5	65.4	66.4	15.7	11.7	11.7	15.1	12.7	13.2
28	6.2	5.9	7.4	6.5	17.1	11.8	13.8	16.6	14.7	15.0
29	58.3	5.2	5.8	3.1	16.7	12.9	13.3	15.7	13.8	14.3
30	61.4	0.5	1.5	1.1	18.9	11.8	16.6	18.8	14.4	16.6
	3.7	3.8	5.8	4.4	17.6	12.8	12.7	17.3	13.3	14.4
	62.70	62.22	62.86	62.55	19.98	15.07	16.92	18.92	16.70	17.51

Barometer, range for month 771.7 — 755.4 mm.

,, 71-yr. average for month 763.23 mm.

Thermometer, range for month 25.4° — 9.0°C

,, 71-yr. average for month 15.99 °C.

Rain, total for month 55.36 mm.

,, 7-1r. average for month 185.45 mm.

,, Tolal, Sept. 1st. to end of month 371.34 mm.

,, 71-yr. average, Sept. 1st. to end of month 374.27 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	11.7	14.1	13.7	13.2	75	79	80	78	5.0	159.0	
2	12.1	13.0	12.0	12.4	72	69	79	73	7.5	150.0	
3	9.8	13.4	11.5	11.6	63	76	75	71	6.6	200.0	
4	12.1	14.7	15.1	14.0	71	77	60	69	1.2	612.0	
5	9.5	11.6	10.9	10.7	63	64	72	66	2.6	312.0	0.25
6	10.0	13.1	10.8	11.3	64	73	71	69	6.2	232.0	
7	12.9	13.3	12.4	12.9	88	76	85	83	4.1	116.0	
8	11.3	13.8	11.7	12.3	73	81	79	78	7.0	134.0	0.76
9	10.9	11.9	12.5	11.8	77	67	78	74	8.5	293.0	
10	11.7	12.6	12.7	12.3	77	73	79	76	7.1	348.0	
11	11.6	13.0	9.3	11.3	76	73	60	70	8.1	138.0	
12	13.1	15.6	13.8	14.2	75	79	82	79	6.0	209.0	
13	9.4	16.2	8.7	11.2	47	79	38	55	3.0	629.0	
14	8.7	8.7	11.7	9.7	43	36	55	45	1.2	336.0	
15	11.7	13.5	11.6	12.3	58	66	70	65	8.0	644.0	4.83
16	10.9	10.2	10.9	10.7	72	63	84	73	7.6	409.0	
17	11.6	11.1	11.3	11.3	77	70	84	77	3.4	436.0	2.03
18	10.5	11.0	10.2	10.6	75	73	79	76	1.2	356.0	0.25
19	9.3	10.6	10.4	10.1	71	67	77	72	7.8	322.0	
20	11.1	10.6	10.1	10.6	94	73	78	82	6.5	369.0	6.35
21	9.8	10.2	9.1	9.7	77	67	71	72	8.3	322.0	
22	9.8	10.2	11.6	10.5	72	68	82	74	7.5	642.0	
23	11.3	12.7	11.3	11.8	73	94	96	88	2.1	1276.0	12.70
24	10.4	9.1	8.8	9.4	83	63	62	69	4.0	927.0	15.24
25	8.4	8.0	6.7	7.7	72	57	71	67	8.6	523.0	
26	6.8	8.6	7.7	7.7	69	74	75	73	9.0	322.0	
27	7.3	8.0	7.1	7.5	72	62	65	66	8.5	267.0	
28	8.5	10.4	9.8	9.6	72	75	76	74	8.0	235.0	
29	8.6	9.9	9.5	9.3	75	75	81	77	8.4	444.0	
30	10.1	11.6	10.0	10.9	72	72	81	75	3.2	335.0	0.76
31	10.2	11.3	10.7	10.7	85	77	94	85	6.5	631.0	12.19
	10.36	11.68	10.71	10.94	72.0	70.9	74.8	72.6	5.89	397.67	1.785

Height of Barometer above sea level: 33 7 meters.

,, ,, Thermometers above ground:

Dry and wet 1 55 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71 year averages are for period, 1875-1945

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Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1cu	9cu	10cu	6.7	1se	0	1ne	light	
2	5ci	4ci	0	3.0	0	1sw	0	,,	
3	0	2ci	0	0.7	0	1sw	0	calm	
4	10cu	9cu	10cu	9.7	3sw	2sw	2sw	slight	Tr. p.m.
5	10cu	9cu	0	6.3	2s	2sw	2sw	,,	
6	0	0	0	0 0	1s	1nw	1nw	slight	
7	10ni	1ci	0	0.7	1sw	1w	1sw	,,	
8	0	1ci	0	0.3	1nw	2ne	1ne	,,	
9	0	0	0	0.0	0	1nw	2nw	,,	D. a.m.
10	0	5ci	0	1.7	0	1ne	3ne	,,	
11	0	0	0	0.0	1se	0	1ne	slight	D. a.m.
12	1cu	5cu	0	2.0	1sw	1sw	1sw	,,	
13	8cu	6cu	0	4.7	2s	1ne	4e	,,	Tr. p.m.
14	10cu	9cu	10cu	9.7	1se	3se	1se	,,	
15	1cu	1cu	10cu	4.0	2sw	4sw	5sw	,,	
16	4cu	0	3ni	2.3	1s	1ne	1sw	slight	Tr. p.m.
17	1cu	10cu	9cu-ni	6.7	1se	2sw	1sw	,,	
18	10cu	10cu	0	6.7	1sw	1sw	1sw	,,	
19	1cu	0	9cu	3.3	1se	1sw	0	light	
20	10ni	3cu	2cu	5.0	1sw	2sw	1sw	slight	
21	1cu	9ci	0	3.3	1sw	1ne	1ne	slight	
22	0	0	0	0.0	1se	1sw	1sw	light	
23	10cu-ni	10ni	10cu-ni	10.0	3sw	3sw	4sw	rough	W. at night
24	9ni	4cu	2cu	5.0	5sw	4sw	3sw	,,	1st visible snow on
25	0	0	0	0.0	2ne	3ne	2ne	mod.	Mts.
26	0	0	0	0.0	1ne	2ne	2ne	slight	
27	0	0	0	0.0	1se	0	0	,,	
28	3ci	0	0	1.0	1se	2ne	2ne	,,	
29	0	0	0	0.0	1se	2ne	1ne	,,	
30	8cu	7cu	7cu	7.3	1s	1nw	1sw	,,	
31	2cu	3cu	1cu	2.0	1sw	2sw	1sw	,,	
				3 29					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	2	0	9	5	10	0	1	4	31
14:30	0	9	0	1	0	14	1	3	3	31
20:30	0	9	1	1	0	14	0	2	4	31
Total	0	20	1	11	5	38	1	6	11	93

Number of days with rain 10, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 13.4